

PRODUCT BROCHURE

KERN HFA 1T-4

Date: 18.03.2025

ENGLISH



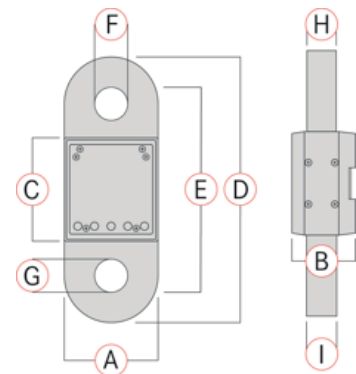
Compact crane scale with integrated display can also be used for tensile force measurement

CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

Phone : +49 7433 9933-0
Fax : +49 7433 9933-149
Email : info@kern-sohn.com
Web : www.kern-sohn.com

PRODUCT SHOWCASE



ENGLISH

DESCRIPTION

- With the TÜV certification mark, the scale meets the requirements of the standard EN 13155 (Non-fixed load lifting attachments/Breakage resistance) and EN 61010-1 (Electrical safety)
- With its high-quality finish, low weight and compact dimensions, this crane scale (tensile force gauge) is an essential device for industrial use, on building sites, in freight centres, ports etc.
- Because of its compact design it is also ideally suited for installation in systems where space is limited, etc.
- Ideally suited for determining weight quickly while loading and unloading
- Peak load display (peak hold)
- Hold function: For easy reading of the weighing result, the display can be „frozen“ by pressing the Hold key
- Tare: Resets the display to „0“ when there is a load on the scale. Now removed or added loads are directly displayed

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	HFA 1T-4
Model-Serie	HFA
Assortment	KERN
Product Type	Industrial scales
Product group	Crane scale
Product usage type	Main article

EAN code (Model)	4045761144286
Customs tariff number	84238220
CE Label	yes

Technical data - Primary

Weighing capacity	1000 kg
Readability	0.5 kg
Net weight	1.8 kg

Hanging scale (A)	90 mm
Hanging scale (B)	62 mm
Hanging scale (C)	100 mm
Hanging scale (D)	255 mm
Hanging scale (E)	165 mm
Hanging scale (F)	27 mm
Hanging scale (G)	27 mm

Technical data - Construction

Material casing	aluminium
Dimensions casing	90×55×255 mm
Internal measurement frequency	60 Hz
TUEV (TÜV)	yes

Technical data - Display

Display height	23 mm
Backlight	yes

Technical data - Power supply

Battery	3×1.5 V AA
Operating time	30 h
Mains adapter/adaptor included	EURO;UK;US
Charging time	12 h
Input Voltage	100 V - 240 V, 50 / 60 Hz
Operating time (Backlight off)	30 h

Technical data - Measuring system

Calibration method	Adjusting with external weight
Linearity	± 1 kg
Readability	0.5 kg
Recommended adjusting weight	1000 kg (M3)
Repeatability	0.5 kg
Resolution	2.000
Warm up time	10 min
Weighing units	kg;lb;N

Technical data - Environmental conditions

Maximum humidity	80 %
Maximum operating temperature	35 °C
Minimum ambient temperature	5 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	400×330×130 mm
Gross weight	2.8 kg
Net weight	1.8 kg
Shipping method	Parcel service
UN number	3496
Packaging component - by weight - cardboard	470 g
Packaging component - by weight - plastics	470 g
Delivery time	1 d

Optional Services

DAkkS Calibration 963-130H

FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
HFA-A01	Internal Rechargeable Battery Pack KERN HFA-A01
YHA-01	Hook KERN YHA-01
YSC-01	Shackle KERN YSC-01

SERVICES

Model	Description
963-130H	DAkkS Calibration KERN 963-130H
961-250	Adjustment at the location of installation 961-250
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate) 969-517
970-102	Warranty extension KERN (+2 years) 970-102

SPARE PARTS

Model	Description
YKA-12	Power supply KERN YKA-12
HFA-A01	Internal Rechargeable Battery Pack KERN HFA-A01
RHFA-4002	Display overlay RHFA-4002
RHFA-3001	LCD Display RHFA-3001
RHFA-2001	Main PCB RHFA-2001
RHFA-8001	Cover RHFA-8001
RHFA-5001	Power socket RHFA-5001

Model	Description
RHFA-8002	Display protective plate RHFA-8002
RHFA-9001	Holder for batteries KERN RHFA-9001

RELATED ARTICLES DATA

Model name	Weighting capacity	Readability	Net weight	Hanging scale (A)	Hanging scale (B)	Hanging scale (C)	Hanging scale (D)	Hanging scale (E)	Hanging scale (F)	Hanging scale (G)	Dimensions casing
HFA 1T-4	1000 kg	0.5 kg	1.8 kg	90 mm	62 mm	100 mm	255 mm	165 mm	27 mm	27 mm	-
HFA 3T-3	3000 kg	1 kg	1.9 kg	-	-	-	-	-	-	-	90×61×255 mm
HFA 5T-3	5000 kg	2 kg	3.95 kg	90 mm	62 mm	100 mm	255 mm	165 mm	30 mm	30 mm	-
HFA 10T-3	10000 kg	5 kg	5.5 kg	90 mm	72 mm	100 mm	275 mm	185 mm	40 mm	40 mm	-